

CLAIMS

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- ~~1.~~ A mutagenesis method of a gene of a vertebrate animal, by using a psoralen derivative.
 2. A method according to claim 1, wherein the psoralen derivative is trimethylpsoralen.
 3. A method according to claim 1 or 2, wherein the vertebrate animal is zebrafish.
 4. A method according to any one of claims 1 to 3, wherein the gene is a germ cell gene.
 5. A method according to any one of claims 1 to 4, wherein the mutated region is a region containing a pyrimidine base.
 6. A method for preparing the gene mutated by the method according to any one of claims 1 to 5.
 - ~~7.~~ A method for analyzing the function of a gene of a vertebrate animal, comprising inducing mutagenesis in a gene region containing a pyrimidine base by using a psoralen derivative and expressing the mutated gene and examining the correlation thereof.

Add A¹